

CERTIFICATE OF MAILING

I hereby certify that this Recordation Form Cover Sheet is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner For Patents, Box Assignments, Washington, D.C. 20231, on October 29, 2001.

Laurie A. Boylan

Laurie A. Boylan

**PATENT****IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

IN RE APPLICATION OF : Monzyk et al.  
FOR : PHOTOLYTIC ARTIFICIAL LUNG  
SERIAL NO. : 09/920,385  
FILED : August 1, 2001  
CUSTOMER NO. : 27885  
ATTORNEY DOCKET NO. : BAT 2 0001

Cleveland, Ohio 44114-2518  
October 29, 2001

**RECORDATION FORM COVER SHEET**

Commissioner of Patents  
Box Assignments  
Washington, DC 20231

Dear Sir:

Please record the attached original document(s) or copy thereof.

1. Name of conveying Party(ies):

DASSE, Kurt

2. Name and Address of receiving Party(ies):

PHAROS, LLC  
85 First Avenue  
Waltham, Massachusetts 02451

## 3. Nature of Conveyance:

Assignment       Change of Name  
 Security Agreement       Merger

Other \_\_\_\_\_

Execution Date: October 17, 2001

## 4. Application number(s) or patent number(s).

If this document is being filed together with a new application, the execution date of the application is:

\_\_\_\_\_

A. Patent Application No.(s)      B. Patent No.(s)

09/920,385 \_\_\_\_\_

Additional numbers attached?       Yes       X No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Richard M. Klein

Firm: FAY, SHARPE, FAGAN, MINNICH & McKEE, LLP

Address: 1100 Superior Ave.; Seventh Floor

City: Cleveland

State: OH ZIP: 44114

6. Number of applications and patents involved: 1

7. Total fee (37 C.F.R. 3.41): \$ 40.00

Enclosed

Authorized to be charged to deposit account.

8. Deposit Account Number: 06-0308

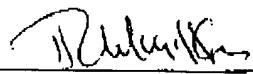
9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Respectfully submitted,

FAY, SHARPE, FAGAN,  
MINNICH & MCKEE, LLP

10/29/2004  
Date

  
Richard M. Klein

Reg. No. 33,000

1100 Superior Avenue, Seventh Floor

Cleveland, OH 44114-2518

(216) 861-5582

Total number of pages including cover sheet: 5

N:\BAT2000\LAB0331A.WPD

**ASSIGNMENT**

Kurt Dasse  
to  
Pharos, LLC

WHEREAS, Kurt A Dasse, of Wellesley, in the County of Norfolk, and Commonwealth of Massachusetts, have made certain inventions in "Photolytic Artificial Lung," which was filed on August 1, 2001, as application serial no. 09/920,385; and

WHEREAS, Pharos, LLC, a Limited Liability Corporation of Delaware, having a principal office at 85 First Avenue, Waltham, Massachusetts 02451, herein called "ASSIGNEE," is desirous of acquiring my entire right, title, and interest in said invention and application therefore, and in any patent or patents to be obtained therefore;

NOW, THEREFORE, To All Whom It May Concern, be it known that, for and in consideration of the sum of One Dollar (\$1.00), and other good and valuable considerations, the receipt of which is hereby acknowledged, I have sold, assigned, and transferred, and by these presents do sell, assign, and transfer unto the said Assignee, my entire right, title, and interest in and to the invention shown, described, or claimed therein, and the full and exclusive right and title to the said application executed by me, preparatory to obtaining Letters Patent of the United States therefore; and in and to any extensions, reissues, divisions, or renewals thereof; and I do hereby authorize and request the Commissioner of Patents or other proper Officer, to issue such Letters Patent, or any of them, to the said Assignee, as the assignee of my entire right, title, and interest in and to the same for the sole use and behoof of the said Assignee, and its successors or assigns.

And I further covenant and agree that I will, at the request and expense of the said Assignee, execute such other and further assurances of title as may be necessary or proper to fully convey the interest herein sought to be conveyed; that I will, at the request and expense of the said Assignee, execute such application papers as may be desired by the said Assignee for the filing of any division or renewal of the application herein conveyed, or for the reissues or extensions of any Letters Patent that may be granted upon said application, and will execute such Supplemental Oaths and Preliminary Statements, or other papers as desired by the said Assignee.

And I further assign unto the said Assignee my whole right, title, and interest to the invention disclosed in the application throughout all countries foreign to the United States, and do hereby authorize the said Assignee to apply for patents therefore in its own name in countries where such procedure is proper and to claim the benefit of the International Convention and do agree to execute applications for the said invention in the several countries where it is necessary that the same be executed by the inventors, and to execute assignments of such applications and the patents to be obtained therefore to the said assignee, as well as all other necessary papers.

**ASSIGNMENT**

Kurt Dasse  
to  
Pharos, LLC

IN TESTIMONY WHEREOF I have hereunto set my hand and affixed my seal at Wellesley, Massachusetts, this 17<sup>th</sup> day of October, 2001.

Kurt A. Dasse  
Kurt A. Dasse

COMMONWEALTH OF Massachusetts)

COUNTY OF Norfolk)

This 17<sup>th</sup> day of October, 2001, before me, a Notary Public in and for the County aforesaid, personally appeared Kurt Dasse, personally known to me and known to be the person described in and who executed the foregoing assignment and acknowledged the same to be his voluntary act and deed, and that he executed the same for the uses and purposes therein set forth.

Patricia A. Saia  
Notary Public PATRICIA A. SAIA

PATRICIA A. SAIA  
Notary Public  
My Commission Expires June 19, 2003

Nov. 5, 2004 1:00PM Fay Sharpe

No. 2553 P. 15

FAY, SHARPE, FAGAN, MINNICH & MCKEE, LLP

170

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PLEASE DETACH STATEMENT BEFORE DEPOSITING CHECK

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Laurie A. Boylan  
Laurie A. Boylan

**PATENT****IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

IN RE APPLICATION OF : Monzyk et al.  
FOR : PHOTOLYTIC ARTIFICIAL LUNG  
SERIAL NO. : 09/920,385  
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CUSTOMER NO. : 27885  
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Cleveland, Ohio 44114-2518  
October 29, 2001

**RECORDATION FORM COVER SHEET**

Commissioner of Patents  
Box Assignments  
Washington, DC 20231

Dear Sir:

Please record the attached original document(s) or copy thereof.

1. Name of conveying Party(ies):

MONZYK, Bruce F.

2. Name and Address of receiving Party(ies):

BATTELLE MEMORIAL INSTITUTE  
505 King Avenue  
Columbus, Ohio 43201-2693

## 3. Nature of Conveyance:

Assignment       Change of Name  
 Security Agreement       Merger

Other \_\_\_\_\_

Execution Date: October 12, 2001

## 4. Application number(s) or patent number(s).

If this document is being filed together with a new application, the execution date of the application is:

\_\_\_\_\_  
Date

A. Patent Application No.(s)      B. Patent No.(s)

09/920,385 \_\_\_\_\_

Additional numbers attached?       Yes       X No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Richard M. Klein

Firm: FAY, SHARPE, FAGAN, MINNICH & McKEE, LLP

Address: 1100 Superior Ave.; Seventh Floor

City: Cleveland

State: OH ZIP: 44114

6. Number of applications and patents involved: 17. Total fee (37 C.F.R. 3.41): \$ 40.00

Enclosed

Authorized to be charged to deposit account.

8. Deposit Account Number: 06-0308

## 9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Respectfully submitted,

FAY, SHARPE, FAGAN,  
MINNICH & MCKEE, LLP

10/29/2004  
Date

Richard M. Klein  
Richard M. Klein  
Reg. No. 33,000  
1100 Superior Avenue, Seventh Floor  
Cleveland, OH 44114-2518  
(216) 861-5582

Total number of pages including cover sheet: 5

NABAT20001\LAB0334A.WPD

## ASSIGNMENT

Bruce F. Monzyk  
to  
Battelle Memorial Institute

WHEREAS, Bruce F. Monzyk, of Delaware, in the County of Delaware, and State of Ohio, has made certain inventions in "Photolytic Artificial Lung," which was filed on August 1, 2001, as application serial number 09/920,385; and

WHEREAS, Battelle Memorial Institute, a corporation of Ohio, having a place of business at 505 King Avenue, Columbus, Ohio 43201-2693, herein called "ASSIGNEE," is desirous of acquiring my entire right, title, and interest in said invention and application therefore, and in any patent or patents to be obtained therefore;

NOW, THEREFORE, To All Whom It May Concern, be it known that, for and in consideration of the sum of One Dollar (\$1.00), and other good and valuable considerations, the receipt of which is hereby acknowledged, I have sold, assigned, and transferred, and by these presents do sell, assign, and transfer unto the said Assignee, my entire right, title, and interest in and to the invention shown, described, or claimed therein, and the full and exclusive right and title to the said application executed by me, preparatory to obtaining Letters Patent of the United States therefore; and in and to any extensions, reissues, divisions, or renewals thereof; and I do hereby authorize and request the Commissioner of Patents or other proper Officer, to issue such Letters Patent, or any of them, to the said Assignee, as the assignee of my entire right, title, and interest in and to the same for the sole use and behoof of the said Assignee, and its successors or assigns.

And I further covenant and agree that I will, at the request and expense of the said Assignee, execute such other and further assurances of title as may be necessary or proper to fully convey the interest herein sought to be conveyed; that I will, at the request and expense of the said Assignee, execute such application papers as may be desired by the said Assignee for the filing of any division or renewal of the application herein conveyed, or for the reissues or extensions of any Letters Patent that may be granted upon said application, and will execute such Supplemental Oaths and Preliminary Statements, or other papers as desired by the said Assignee.

And I further assign unto the said Assignee my whole right, title, and interest to the invention disclosed in the application throughout all countries foreign to the United States, and do hereby authorize the said Assignee to apply for patents therefore in its own name in countries where such procedure is proper and to claim the benefit of the International Convention and do agree to execute applications for the said invention in the several countries where it is necessary that the same be executed by the inventors, and to execute assignments of such applications and the patents to be obtained therefore to the said assignee, as well as all other necessary papers.

## ASSIGNMENT

Bruce F. Monzyk  
to  
Battelle Memorial Institute

IN TESTIMONY WHEREOF I have hereunto set my hand and affixed my seal at Columbus, Ohio,  
this 12<sup>th</sup> day of October, 2001.

  
Bruce F. Monzyk

This 19th day of October, 2001, before me, a Notary Public in and for the County aforesaid, personally appeared Bruce F. Monzyk, personally known to me and known to be the person described in and who executed the foregoing assignment and acknowledged the same to be his voluntary act and deed, and that he executed the same for the uses and purposes therein set forth.



**SYLVIA COOK**  
NOTARY PUBLIC, STATE OF OHIO  
MY COMMISSION EXPIRES NOV. 1, 2004

Sytnia Cook  
Notary Public